Title Name

Date

Course

Purpose/objective: Reason why you’re doing the experiment

1. To see what surfaces at my school has bacteria.
2. To see how effective antibacterial products are.

Hypothesis: An educated guess about your objectives

Materials & Safety: A list of equipment and materials you need (used) and the safety precautions you need to know before you start.

Procedure: Detailed but not wordy steps to how you do the experiment (should be detailed enough for someone else to read and replicate the experiment) – For Gram staining procedure 🡪 don’t have to re-write the procedure, just say “Gram staining procedure was completed as per Mr. Ferdosian’s Gram Staining Lab hand-out, 2021”

Observations: Qualitative and Quantitative (anomalies – things that did not go right )

(If we were collecting numbers, chart, graph)

Results: What did you find out? Use observations to answer the objective/purpose.

Conclusion: Why is your findings important to our lives? (Step back/big picture). How is it related to other aspects of life other than just your experiment? State your errors. How would you do it differently next time? What other questions could you explore as a result of your experiment?